



Australian Government

AURKTJ116 Use earthmoving and off-the-road tyre handlers

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Modification History

Release	Comments
1	This unit of competency was first released in AUR Automotive Retail, Service and Repair Training Package Release 9.0.

Application

This unit describes the performance outcomes required to use an earthmoving and off-the-road (OTR) tyre handler. It includes checking the tyre handler and work site for suitability, operating the tyre handler, and completing work according to operational requirements.

It applies to those who fit earthmoving and OTR tyres, wheels and rim assemblies of equal to or greater than 600 mm (24 inches) nominal diameter and classified as off-the-road, earthmover or industrial tyres, noting that this may vary based on the occupation of the learner.

Earthmoving and OTR tyre handlers must be operated in compliance with the licence requirements and regulations of the relevant state or territory authority.

Licensing/Regulatory Information

Licensing, legislative and certification requirements that apply to this unit can vary between States, Territories, and industry sectors, and must be sourced from state jurisdictions prior to applying the unit.

Pre-requisite unit(s)

No prerequisite units.

Competency field(s)

N/A

Unit sector(s)

Technical - Wheels and Tyres

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>

1. Check tyre handler and work site for suitability	1.1 Select work site for operations according to workplace procedures 1.2 Check work area for obstructions and proximity to vehicles and equipment 1.3 Identify risks and control hazardous conditions in the work environment according to workplace procedures 1.4 Erect barriers and warning signs in areas where there may be passing traffic according to workplace procedures 1.5 Select specialist tools and equipment according to job requirements and workplace procedures 1.6 Conduct pre-start inspection of tyre handler for serviceability and compliance with relevant workplace and site requirements, and Australian standards 1.7 Report any identified hazards and risks in accordance with workplace procedures
2. Operate tyre handling equipment	2.1 Operate tyre handler, specialist tools and equipment within safe working limits to maximise efficiency of operations 2.2 Handle tyres, wheels and rim assemblies according to workplace procedures, safe work practices and manufacturer handling recommendations.
3. Complete work processes	3.1 Remove and store barriers and warning signs 3.2 Return tyre handler, and specialist tools and equipment to appropriate storage or parking area 3.3 Complete documentation according to workplace procedures and report any damage or faults

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance and are not explicit in the performance criteria.

Skill	Description
Reading skills to:	read and interpret written information in Australian Standards and workplace procedures relating to the use of earthmoving and OTR tyre handlers.
Writing skills to:	document actions required during work.
Oral communication skills to:	- report damage, defects or faults - communicate with other personnel in a work context.

Numeracy skills to:	• interpret tyre handler instruments and indicators • read and interpret metric and imperial systems of measurement.
Initiative skills to:	• identify and avoid potential work obstructions and danger to passing traffic.
Planning and organising skills to:	• prepare and lay out work area, and obtain equipment and material to avoid wastage and workflow interruptions.

Range of conditions

No conditions apply to this unit of competency at the time of publication.

Unit Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
AURKTJ116 Use earthmoving and off-the-road tyre handlers	AURKTJ016 Use earthmoving and off-the-road tyre handlers	Updates to Application, Performance Evidence, Knowledge Evidence and Assessment Conditions	Equivalent

Assessment Requirements for AURKTJ116 Use earthmoving and off-the-road tyre handlers

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Performance Evidence

The candidate must demonstrate they can perform the following according to the standards defined in the elements, performance criteria and foundation skills of this unit.

The candidate must demonstrate using earthmoving and off-the-road tyre handlers to meet required outcomes on a minimum of three separate occasions. The candidate must:

- follow safe working procedures
- locate and interpret relevant documentation, workplace policies, and procedures
- select an appropriate work area, identify hazards and implement risk controls
- select appropriate equipment and tools for operation and determine suitability of tyre handler for the work
- select appropriate earthmoving or OTR tyre handler for the work, from at least one of the following pieces of equipment:
 - forklift-mounted tyre handler
 - loader-mounted tyre handler
 - vehicle loading crane fitted with a tyre handler attachment
- inspect the tyre handler and specialist tools and equipment for faults or damage
- inspect tyres, wheels, and rim assemblies for damage
- complete work processes, including the safe storage of equipment and completion of required workplace documentation.

The above work must be performed using tyres of equal to or greater than 600 mm (24 inches) nominal diameter.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- workplace policies and procedures for using earthmoving and OTR tyre handlers, including how to locate and interpret:

- manufacturer specifications for:
 - manipulating tyres and assemblies with tyre handlers
 - operating earthmoving and OTR tyre handlers
- relevant Australian standards:
 - AS1418 Cranes, hoists and winches
 - AS2359 Powered industrial trucks
- work health and safety (WHS) and duty of care requirements when operating an earthmoving and OTR tyre handlers including:
 - conducting pre-start inspections and reporting damage or faults
 - establishing an exclusion zone
 - inspecting the work zone for damage and hazards
 - procedures and hazard control measures when operating a tyre handler in an emergency
- earthmoving and OTR tyre handler controls, instruments and indicators and their use
- factors affecting selection of work site, including site layout and obstacles
- functionality and operational requirements of fall-back arrest arms, including how to identify correct positioning and configuration
- types of damage and faults associated with earthmoving and off-the-road tyre handlers, including:
 - equipment and tool damage
 - tyre, wheel and rim assembly damage
 - tyre handler damage or faults
 - work site damage

Assessment Conditions

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessment must include direct observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the use of earthmoving and off-the-road tyre handling equipment that they have used, e.g. maintenance logs.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- a workplace or simulated workplace that reflects workplace conditions - where simulation is used, it must reflect real working conditions by modelling industry

operating conditions and contingencies, as well as, using suitable facilities, equipment and resources

- WHS requirements and workplace procedures relevant to using earthmoving tyre handling equipment
- manufacturer specifications and procedures or equivalent documentation for OTR and earthmoving tyre handling equipment
- Earthmoving and OTR tyre handling equipment, including one of the following:
 - vehicle loading crane fitted with a tyre handler attachment
 - forklift-mounted tyre handler
 - loader-mounted tyre handler
- earthmoving and OTR tyre and wheel and rim assemblies
- tools and equipment required for the use of an earthmoving and OTR tyre handler
- earthmoving and OTR tyre handler that uses specialised tyre handling attachment
- operational vehicles with earthmoving and OTR tyres, wheel and rim assemblies
- workplace instructions relating to the use of earthmoving and OTR tyre handlers

The assessment must:

- be demonstrated in the workplace or in a simulated environment that reflects workplace conditions
- be conducted in a safe environment
- be assessed in compliance with relevant policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed
- confirm consistent performance can be applied in a range of relevant workplace circumstances.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Link

Companion volumes, including implementation guides, are found on the national training register - <https://training.gov.au/training/details/AUR>.